Claims 1, 4, 6 and 24-30 are independent.

Claims 1, 3-6 and 9-17 were rejected under 35 U.S.C. § 112, first paragraph, as not conveying to one skilled in the art that the inventor had possession of the subject matter of the claimed invention. Specifically, the Office Action, at paragraph 1, states that "it is questionable that the system can extract these names out", referring to "extracting means" feature recited in Claim 1, and the "pick-up means" feature recited in Claims 4 and 6 are not adequately supported in the specification. Applicant have amended those claims in order to more clearly recite what Applicants regard as their invention.

Regarding support for those features in Claims 1, 4 and 6, in addition to figure and the portions of the specification referred to in response to the previous Office Action (Fig. 9 and page 11, line 19 to page 12, line 3 of the specification), there are a number of other locations in the specification which disclose how the name and telephone numbers are extracted from the data train. For example, as described by step S45 in Fig. 17A, one embodiment recites that the recognized characters are tested and arranged in the appropriate column on the display. A process by which the testing occurs is shown in Figures 19A-19D, and described page 23, line 21 to page 27, line 21. Applicants note that the testing, i.e., extraction or pick-up, occurs prior to the placement in the appropriate column. In other words, the

character train is not evaluated after formatting, but rather the columnar formatting is the result of the analysis of the data train. As another example, relating to another embodiment of Applicants' invention, page 36, line 26 to page 38, line 2 of the specification describes how a character train, a telephone number in the described embodiment, is extracted from a document via optical character recognition.

It is believed that the rejection under Section 112, first paragraph, has been obviated, and its withdrawal is therefore respectfully requested.

Claims 1, 3-6 and 9-23 were rejected under 35 U.S.C. § 103(a) as obvious from U.S. Patent 4,902,881 (Janku) in view of German Patent 3011511 (Siemens) in further view of U.S. Patent 4,885,771 (Rabideau et al.).

Independent Claim 1, as amended, is directed to an information processing apparatus in which a reading means reads image information recorded on a recording medium, the image information comprising character data including a character train, which in turn includes a name and a phone number. An image memory means stores the read image information, and an image memory control means causes the image memory means to store the read image information. A recognizing means recognizes the character train. An extracting means extracts the name and the phone number from the recognized character train. A character memory means stores the extracted name and phone number. A character

memory control means causes the character memory means to store the extracted name and phone number. A display control means causes to be displayed on a display device, the image information read by the reading means, and an input frame to which at least the stored name and phone number are input, and the stored name and phone number are caused to be displayed at a predetermined position on the displayed input frame.

Claim 1, as amended, recites the features of "reading image information . . . comprising character data", displaying "an input frame to which at least the name and phone number are input," and causing "the stored name and the phone number to be displayed at a predetermined position on the displayed input frame." In other words, the claimed apparatus can display an input frame and fill the appropriate input areas with information gathered from a document. The input data including both the data obtained from the read document and data input manually can then be stored in a database for future use.

Janku, as understood by Applicants, relates to a communication terminal apparatus that provides facsimile transmission and document storage. The Janku apparatus includes a video monitor 31 for displaying menus of communication services (see col. 2, lines 61-62). While communication services can be displayed, Janku does not teach

or suggest that the display includes an input frame in which parsed data from a read document has been placed.

As understood by Applicants, Rabideau relates to an information system for storing telephone numbers. The system includes two LCD displays 24 and 26, which are used to display the telephone numbers and names, respectively. The Rabideau displays, however, do not show an input frame, and therefore can not show the telephone numbers and names at an appropriate location within the input form, thereby allowing an operator to complete those portions of the input frame not filled in with data read from a document.

The Siemens English abstract, as read by Applicants, relates to a telephone handset having an opto-electric reader device. The device of Siemens does not include a display. As such, it can not display an input frame nor any of the extracted data.

Neither Janku, Rabideau nor Siemens, taken alone or in combination, teaches or suggests the feature recited by Applicants in Claim 1 in which data extracted from a document is displayed on a screen parsed such that the data has been entered on the appropriate spot of the displayed input frame. Therefore, Claim 1 is believed allowable, and withdrawal of the rejection of this claim is respectfully requested.

Independent Claim 4, as amended, is directed to an information processing apparatus in which a manual means enters, corrects or changes character data. A reading means

reads first image information recorded on a recording medium, the first image information comprising character data including a character train, which in turn includes a name and a phone number, and second image information which does not include the name and the phone number.

A recognizing means recognizes the character train, and a pick-up means picks up the name and the phone number from the recognized character train. A registering means registers the picked-up name and phone number. A memory control means causes the registering means to register the picked-up name and phone number, and allows the manual means to correct or change the registered name and phone number. A control means causes to be displayed on a display device, the first image information read by the reading means, an input frame to which at least the registered name and phone number are input, and the name and the phone number stored in the registering means displayed within the input frame. A correction means corrects the name and the phone number displayed on the display device in accordance with the character data entered by said manual means.

Independent Claim 6, as amended, is directed to an information processing apparatus in which a reading means reads first image information recorded on a recording medium, the first image information comprising character data including a character train, which in turn includes a name and a phone number, and second image information which does

not include the name and the phone number. A recognizing means recognizes a character train included in the first and second image information read by the reading means. A pick-up means picks up the name and the phone number from the recognized character train. A registering means registers the picked-up name and phone number, and a memory control means controls the registering means to register the picked-up name and phone number, causes the registering means to register a plurality of the picked-up names and phone numbers, and allows the apparatus to manually correct or change the registered names and phone numbers. A searching means searches the plurality of registered phone numbers for a desired phone number in accordance with a desired, corresponding name. A control means causes to be displayed on a display device, the first image information read by the reading means, an input frame to which at least the registered name and phone number are input, and the registered name and phone number displayed within the input frame. A selecting means selects one of the plurality of phone numbers. A communication control means performs facsimile communication of the second image information on the basis of the one phone number selected by the selecting means. A storage means stores a document to be transmitted, and the communication control means controls the transmission of the document on the basis of the desired phone number searched for by the searching means.

Independent Claims 4 and 6, as amended, both recite a "control means" which causes an input frame "to be displayed on a display device", and causes "the registered name and phone number [to be] displayed within the input frame." As discussed above, neither Janku, Rabideau nor Siemens, taken alone or in combination, teaches or suggests the "control means" recited by Applicants in Claims 4 and 6 in which registered data picked-up from a document is displayed on a screen in which the data has been entered at the appropriate spot of the displayed input frame. Therefore, Claims 4 and 6 are believed allowable, and withdrawal of the rejection of these claims is respectfully requested.

Newly added Claims 24-30 each recite an element, or step, as the case may be, in which an input frame containing data picked-up from a read document is displayed at in appropriate section of the input frame. For at least this reason, Claims 24-30 are believed patentable.

A review of the other art of record has failed to reveal anything which, in Applicants' opinion, would remedy the deficiencies of the art discussed above, as references against the independent claims herein. Those claims are therefore believed patentable over the art of record.

The other claims in this application are each dependent from one or another of the independent claims discussed above and are therefore believed patentable for the

same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual consideration or reconsideration, as the case may be, of the patentability of each on its own merits is respectfully requested.

This Amendment After Final Rejection is believed clearly to place this application in condition for allowance and its entry is therefore believed proper under 37 C.F.R. § 1.116. At the very least, however, it is believed that the formal rejections have been overcome. In any event, entry of this Amendment After Final Rejection, as an earnest effort to advance prosecution and reduce the number of issues, is respectfully requested. Should the Examiner believe that issues remain outstanding, he is respectfully requested to contact Applicants' undersigned attorney in an effort to resolve such issues and advance the case to issue.

In view of the foregoing amendments and remarks, Applicants respectfully request favorable reconsideration and early passage to issue of the present application.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

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